

Key Klicks

The Green Bay Mike and Key Club Inc.
P.O. Box 13351
Green Bay, WI 54307

June 1995

President	John Wolfe	KE9AS	414-469-2333
Vice President	Randy Kozloski	N9GDW	414-497-9189
Secretary	Lee Mehciz	N9MPU	414-497-0138
Treasurer	Jake Derenne	N9DKH	414-837-7633
Editor	Wes Michael	KA9YAW	414-496-5879
Members at Large	Scott Cole	KB9AMM	414-496-0990
	Keith Sommers	N9NOF	414-336-6087

Meeting Minutes

May 11, 1995

1. Meeting called to order by Club President John Wolfe KE9AS at 7:38 pm.
2. Roll Call was taken with 30 members and visitors present.
3. Secretary's report: voted to dispense with the reading of and accept as printed in the Newsletter.
4. Treasurer's report: Not available due to the Treasurer being unable to attend.
5. Club Picnic: Will be held on June 3rd at Bay Beach at Shelter #6, starting at 10:00 am to 12:00 noon for social time, with cooking to be made available after 12:00. Grills will be available for all. All area Amateur radio operators, their families and friends are invited. Bring your own meat and a dish to pass along with your own utensils. It was voted to have no live music this year.
6. Field Day: Will be at the Brown County Fairgrounds in De Pere on June 24 & 25. There is camping available, but you must make your own reservations. Donated turkeys are still needed and some equipment. Call Joe N9UPU for more info.
7. DX Report: WY9E and N9LWI not available, so it was given by Tom KB9EWK, Dale WB9NRK, and Lisa N9VJL.
8. Technical Report: Given by John and Scott. Repairs on the repeater antenna's are in the works.
9. Adopt-A-Highway: the club has been given a 2 mile section that is on the North bound side of Hwy 41, South of Cty U from the Golf course to the "Out of Town Club ".
10. Open Discussion: Vests should be picked up and kept in the club room.
11. Meeting Adjourned at 8:34 pm Submitted by Lee Mehciz N9MPU Secretary

Silent Key

I'm sad to report the passing of Larry Robbins W9LID. Larry passed away on Friday May 19th, 1995. Larry had been a member of the Mike and Key Club for many years and was very active in Amateur Radio both in Wisconsin and in Florida. Our sympathies go out to Dave N9QZH and his family.

Field Day

Field Day is fast approaching. Field Day will once again be held at the Brown Co. Fairgrounds behind the De Pere Ice Center, this is the same place as last year.

On Friday night June 23 there will once again be a gathering, and campout. Everyone is invited and it proves to be a good time, plan to be at the fairgrounds about 6 or 7pm.

Setup for the stations will occur the morning of Saturday June 24. Listen to the 2 meter net for exact times, but plan on setup around 8:00am. The contest begins after 1:00pm, and continues for 24 hours after we start.

Official rules for the contest can be found in May 1995 QST on page 133.

On Sunday following the contest there will be a pot luck and turkey dinner, as well as a surprise contest. We still need a couple of turkeys to be donated. Soda will be provided, you may bring your own beverages if you wish. Anyone camping on Friday, or Saturday night is requested to pay for your camping to the park department.

Additional equipment is still needed for various stations: A 35-50ft tower, a backup hf rig (solid state), 2 power supplies (over 20 amps), campers, 2mtr. SSB rig, 2mtr. beam, backup computer, and extra 24hr time clocks.

Anyone with any questions, wishing to help out, or anyone with equipment should contact Joe Tenor N9UPU at 465-0862. Bring a non ham friend, and see you there.

For Sale

Atlas 110 - 100 watt HF Rig. Excellent beginners CW rig. 10 thru 80 meters. May have an audio stage problem in voice mode. Also

an audio stage problem in voice mode. Also needs Mic. $75. Call Ray N9TPH at 414-532-4386. Please leave your Name and Phone #, as this is a business phone. Or you may contact Ray on the 147.12 repeater.

Area Nets

Sun.	Outagamie Area Net	146.650	8:00p
	10 Meter Novice Net	28.400	8:30p
Mon	Brown Cty ARES Net	147.360	7:00p
	Shawano ARES Net	145.350	8:00p
Tues.	NEW Radio League	147.270	7:30p
Wed.	Mike & Key Club Net	147.120	8:45p
2nd Wed.	Brown Cty Siren Net	147.120	11:50a
Thurs.	Youth Net	147.075	6:30p

POST IN YOUR SHACK AND CHECK IN

Shuttle Mission

Space Shuttle flight STS-71, to be launched in June, is the first to feature a docking between the Shuttle and the Russian MIR space station. Special Shuttle Amateur Radio EXperiment (SAREX) voice frequencies will be used.

The special frequencies are Downlink: 145.84 Mhz worldwide; and Uplinks: 144.45 and 144.47 Mhz worldwide.

SAREX and MIR Amateur Radio stations normally share the same downlink frequency, which would cause interference on the STS-71 mission. Because of this and lessons learned from using particular frequencies during previous SAREX missions, the SAREX Working Group has made these changes for STS-71. The new frequencies were chosen after much deliberation to minimize interference between SAREX, MIR, and terrestrial stations.

Most SAREX operations are split frequency, with a downlink (astronauts transmitting to Earth stations) and an uplink (Earth stations transmitting to astronauts). Listen to the downlink and transmit only when the shuttle is in range and the astronauts are on the air.

MIR operations are simplex and remain on 145.55 Mhz.

Before transmitting, listen to the SAREX uplink to avoid interfering with others, and listen for the astronauts' instructions about frequencies they're using. They won't favor a specific uplink, and your ability to work them will be " the luck of the draw."

If these special SAREX frequencies prove acceptable, they will be used for future docking missions. If you have comments, send them to AMSAT's Frank Bauer, KA3HDO, at his callbook address, or to the ARRL Educational Activities Department. Please note there is a strong chance that STS-70 will fly before STS-71; if so, STS-70 will use the regular SAREX frequencies.

-Courtesy QST June issue-

Annual Picnic

The Annual picnic will be held at Bay Beach Park at Shelter #6 on Saturday June 3rd. Grills and Soda will be provided. Bring your own meat, utensils and a dish to pass. you may bring your own grill if you prefer.

Social time will be from 10:00 untill around noon, with the grills started about then.

All Area Amateur Radio Operators and their Families and guests are invited. This is a good time to get to know all of the voices you have been hearing and have been speaking to all year, so come on out and have fun. If you have never been to Bay Beach, you are missing alot. There is plenty to do nearby for the whole family. So mark your calendar and plan on attending.

Fox Hunting

Amateur Radio is not just a hobby, it is a collection of many hobbies. Hams communicate, experiment, build, test, and provide public service. They work DX, vhf, SSTV, ATV, AM, SSB, FM, CW, and RTTY. They handle traffic. They also hunt transmitters. This aspect of Amateur Radio is not new, but has largely been ignored by ham radio publications. Only recently has interest in amateur DFing grown, spurred perhaps by the problems of jamming and malicious interference in certain areas. Jammer hunting is an important use of RDF (Radio Direction Finding) but there is more to Transmitter hunting than that. The skills of hams and non-hams are needed by search and rescue groups to help save lives.

There's a lot more to Transmitter hunting than driving around with a funny looking antenna on your vehicle (although you do get some pretty strange looks). Its a public service, a technical challenge, a club builder, and a whole lot of fun. So try it some time.

Stolen from "Transmitter Hunting Radio Direction Finding Simplified" by Joseph Moell K0OV & Thomas Curlee WB6UZZ

Fox Hunts are held on the First Sunday of the Month and the Tuesday following the Club Meeting at 7:00 pm on 147.555 simplex.

Sunday June 4th and Tuesday June 13th

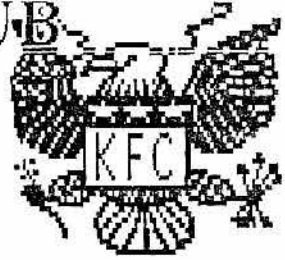
HAPPY HUNTING !!!!!!!

Siren Test Net

The Brown County office of Emergency Government "Siren Test Net" is held on the 2nd Wednesday of each month at 11:50 AM. The purpose of this net is to test/evaluate the active and inactive status of each of the 36 sirens located in various areas of Brown county. When checking into the NET, if possible, give the site number. Site numbers were published in last months newsletter.



GREEN BAY MIKE & KEY CLUB
JUNE
1995



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Youth Net 147.075 6:30 pm	2	3 Club Picnic Bay Beach Shelter #6 10:00 am - ?? Everyone Welcome
4 Fox Hunt 147.555 7:00 pm 10 Mtr Net 28.400 8:30 pm	5 Brown Cty ARES Net 147.36 7:00 pm Shawano Area 145.35 8:00 WA9BAY	6 NEW League Net 147.27 7:30	7 Mike & Key Net 147.12 8:45	8 Club Meeting ST. Norberts 7:30 J.M. Science Youth Net	9	10 N9OSF KC9ID WD9CPK
11 HAMFEST Stevens Pt. 10 Mtr. Net	12 ARES Net 7:00 Shawano ARES 8:00	13 NEW Net Fox Hunt 147.555 7:00	14 Wed. Nite Net Siren Test 147.12 11:50 am Flag Day	15 Youth Net	16	17 WA9FRQ
18 10 Meter Net Fathers Day	19 ARES Net 7:00 Shawano ARES 8:00 KA9UNC	20 NEW Net	21 Wed Nite Net WA9LIG	22 Youth Net N9PAY	23 Pre Field Day Gathering at Fairgrounds 6:00 pm untill ??????	24 Field Day
25 10 Meter Net Field Day	26 ARES Net 7:00 Shawano ARES 8:00 N9WVC	27 NEW Net	28 Wed Nite Net	29 Youth Net	30	

CLUB CALL SIGN K9EAM
147.120 + PL of 107.2
147.360 +
444.775 +

FIELD DAY

GREEN BAY MIKE & KEY CLUB
CONTEST STATION
JUNE 24-25 1995
BROWN CO. FAIRGROUNDS
EVERYONE WELCOME

Who?	*The Green Bay Mike & Key Club invites you to Field Day.*
What?	Field Day, Amateur Radio Station, operated by the Green Bay Mike & Key Club. This event is open to anyone who may have an interest or curiosity in Amateur Radio.
When?	June 24 thru June 25. Setup will be in the early morning on Saturday, and the contest will conclude on Sunday with a pot luck and turkey dinner as well as tear down immediately after.
Where?	Brown County Fairgrounds, behind the De Pere Ice Center.



FIELD DAY is a contest with stations participating from all over the world. The purpose of the contest is to simulate operating an amateur radio station under emergency conditions. The Green Bay Mike & Key Club will sponsor such a station at the Brown County Fairgrounds behind the De Pere Ice Center. Amateur Radio is the ultimate hobby in communications. There are over 675,000 amateur or "ham" radio operators in the U.S. alone, and millions worldwide. Two way radio contacts can be made by bouncing radio waves off the atmosphere, the moon, or even satellites. Emergency Communications are one of the fundamental reasons why the Amateur Radio Service exists. Field Day is a time to tune up the radios under inferior operating conditions. Everyone has a good time at Field Day meeting old acquaintances, or new Hams. Everyone is welcome, if you don't have your amateur radio license, and want to know what amateur radio is all about you can get the chance to talk to someone across the country, or possibly from around the world. On Sunday there will be a pot luck and turkey dinner. Bring a dish to pass. If you wish to camp overnight on Friday, or Saturday night it is requested you pay the camping fee to the park department. Anyone with questions can contact the Green Bay Mike and Key Club at Post Office Box 13351, Green Bay, WI, 54307. Hope to see you there!

Reminder

There are still many past members who have not renewed their annual club dues for 1995. Remember your dues help to support the 147.120, 147.360, and 444.775 repeaters. Contact Jake N9DKH or mail them into the club .

Weather Nets

With the advent of severe weather this is a reminder that should severe weather enter our area, the National Weather Service will be asking our help. Whenever the Weather net is in progress it has *priority* over all routine traffic on the repeater. Emergency traffic will be allowed, but routine day to day traffic should be taken to an alternate repeater. Also the Wide Area Severe Weather Net will be on the 145.19 repeater with the 147.120 acting as back up if something should happen. The 145.190 repeater DOES require PL. Because of the set up, it will not be possible to disable PL on that repeater. The local County Net will be on the 147.360 repeater with the 147.075 acting as back up. Since there is some trouble with the antennas on the 147.120 system, the 145.190 system was offered for use on the Net. Also the 145.190 is a closed system, and may not be used other than for the nets. You will be allowed to test reception on the system, but do it sparingly.

For Sale or Trade

New Kenwood TH22AT 2 meter HT with Case, has 40 channel capability. Asking $300 or would trade for 2 meter mobile rig. Contact Lee N9MPU

Special Event Update

This year again the club helped out with communications for the March of Dimes " Walk America", the American Diabetes Association " Tour De Cure", and for the first time our club was asked to provide communications for the Multiple Sclerosis walk on April 2nd.

The Walk America, held on April 29th, was a huge success, with a record $140,000 being raised this year. The club supplied communication for the rest stops and the SAG vehicles. We are very pleased to say every thing went smooth. The club was presented with a nice plaque to put on the wall of the club shack. I will bring it to the next meeting.

On May 21st, several hams helped with the Tour De Cure. Again we provided communication for the rest stops and the SAG vehicles. Things also went fairly smoothly, although our services were used and needed much more for this event than the March of Dimes event. They had over 300 bicycle riders and raised over $48,000 in pledges and registration fees. If you have never helped out with a special event, its easy. All you need is an HT, but if you have more equipment that is fine also. We provide only communication for the events, nothing more. By doing this we help to make sure the supplies are where they should be and we also help to keep the event safe. If anybody needs transportation because they can't finish or are hurt, we relay that info. Its as simple as that. Afterwards you get a nice feeling knowing that we have helped the community, and have provided a public service.

THANKS TO ALL WHO HELPED OUT WITH THESE EVENTS!!!!!!!!!!!

Bay Shore Metric Ride

Coming up on July 30th is the Bay Shore Metric Ride. The club will again be providing communications for this event. Contact Randy N9GDW if you would like to help out.Mark your calendars and make plans to help out. A sign-up sheet will be at the June and July meetings.

Club Meeting

The next meeting of the Green Bay Mike and Key Club (2nd Thursday of each month), will be held on June 8th, 1995 at 7:30 p.m.,- in the Media Services area of the J.M. Science building (room 223) at St. Norberts College. GUESTS ARE WELCOME TO ATTEND

Testing Sessions

June 3	Racine
	River Falls
June 10	Madison
	Red Granite
June 11	Stevens Point
June 21	West Allis
June 24	Wauwatosa
	Tomahawk

4TH OF JULY

Due to the upcomming holiday, the July issue of Key Klicks will be a little late.

Have a safe and fun Holiday weekend
Drive safely
Happy Hamming

de KA9YAW
Wes

Central Wisconsin Radio Amateurs, Limited

PRESENTS ITS 18th ANNUAL

SWAPFEST

SUNDAY, JUNE 11, 1995

UW-STEVENS POINT STUDENT CENTER

******FCC EXAMS 9 AM (NOTE NEW FCC EXAM RULES)******

ADMISSION $3.00

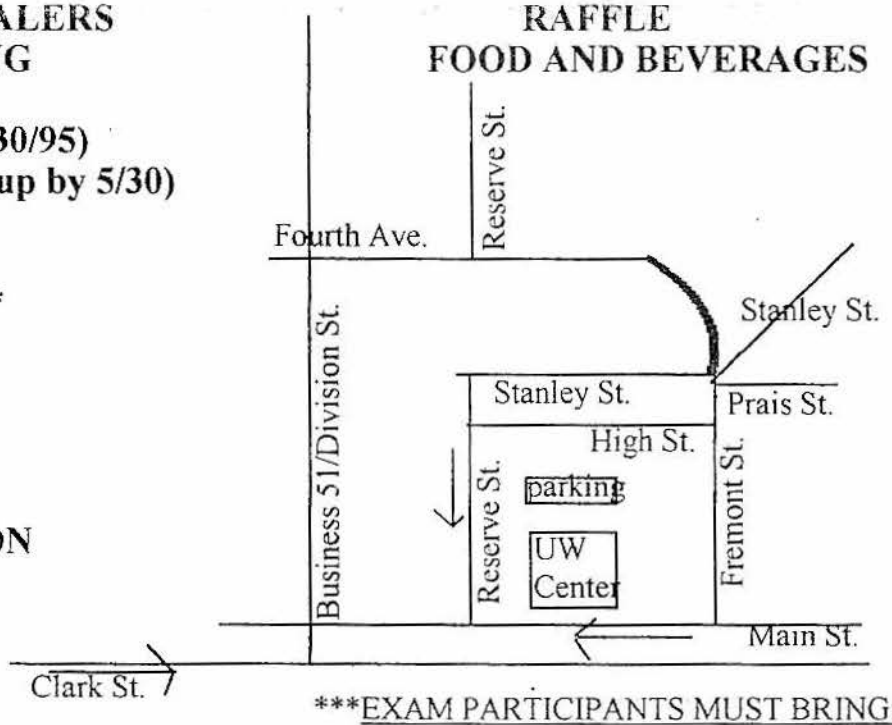
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FOR INFORMATION ON FOX HUNT: SCOTT JASPER (715) 344-1101

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6:30 AM VENDER SETUP
8:00 AM SWAPFEST OPENS
9:00 AM ARRL FCC EXAMS***
TBA WAPR MEETING
TBA WNA MEETING
12:30 PM PRIZE DRAWING
1:30 PM SHUTDOWN



FOR SWAPFEST INFORMATION
ART WYSOCKI N9BCA
3356 APRIL LANE
STEVENS POINT, WI 54481
PHONE: (715) 344-2984

***EXAM PARTICIPANTS MUST BRING:
1) ORIGINAL LICENSE OR CSCE
2) PHOTOCOPY OF LICENSE
AND PICTURE IDENTIFICATION (FCC RULES)
3) CHECK TO ARRL/VEC FOR $5.90

QUESTIONS ABOUT TESTING
JOE LARSON, N9JW. (715) 344-1182

TALK-IN 07/67
WB9QFW/R

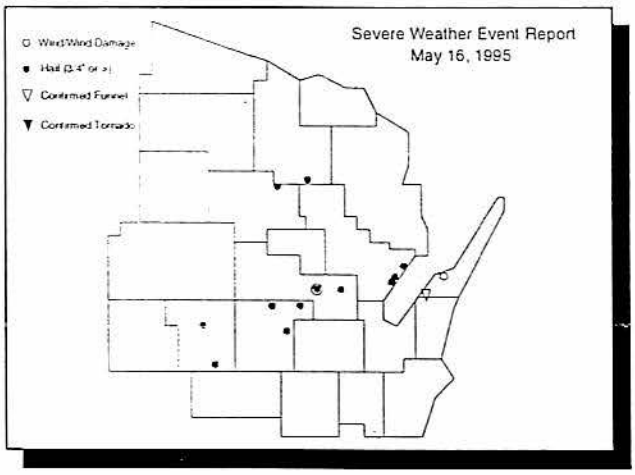
THE N.E.W. SPOTTER NEWS

Volume One | Number Three | June/July 1995 | Editor: Jeff Last

Severe Weather Strikes Northeast Wisconsin

The first severe weather events of the season hit northeast and parts of central Wisconsin in mid May. The Doppler radar at the NWS Office in Green Bay, and our severe weather spotters, played crucial roles in the issuance of accurate and timely warnings and forecasts during the events.

On Saturday, May 13, scattered thunderstorms developed and moved across northeast Wisconsin. One storm near Oshkosh produced 3/4 inch diameter hail. Small hail was also reported with the same storm in Green Bay.



May 16 was much more active. A warm front pushed north into the region during the day, triggering thunderstorms across parts of central and northeast Wisconsin. A thunderstorm in the morning produced nickel-size hail (0.88 inch) in the city of Oconto (Oconto Co.). Other severe storms developed in the warm tropical air during the afternoon. Numerous reports of hail up to golf-ball size (1.75 inch) were received from spotters with some of the storms.

Doppler Radar Basics:
Reflectivity

The NWS Doppler radar (officially known as the WSR-88D) is the world's most advanced weather radar system. Over 70 products can be generated every 5 to 10 minutes, giving the radar meteorologist plenty to look at! One of the most important, and basic products is reflectivity. Reflectivity is a measure of target intensity. The radar energy that returns to the radar after "bouncing" off of a target (e.g., precipitation) is measured by the radar. The stronger the returned signal, the more intense the precipitation.

All weather radars produce reflectivity products. What makes the new Doppler radar system better than older radars is that it is capable of identifying small-scale features. The new system sends out a stronger and narrower beam of energy to detect weather targets. This beam allows the radar to detect atmospheric phenomena that was never seen before with other radars.

Severe Weather Reports

- ✓ Hail: 1/2 inch or larger
- ✓ Wind: 50 miles per hour or more
- ✓ Damage from wind, hail
- ✓ Flooding

Remember to give the exact location, time of occurrence, and what exactly is happening when calling in a report.

Our address: NWS Office
2485 South Point Road
Green Bay, WI 54313-5522

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Cook County's Largest Hamfest . . .

will be back at

Santa Fe Park

Sunday, June 11, 1995

Six Meter Club of Chicago, Inc.

38th Annual Hamfest

91st and Wolf Road, Willow Springs IL

Amateur Radio, Computer and Electronic Bargains in our big, famous Swap Row Flea Market under the shade trees of Santa Fe Park's Picnic Grove-- and lots of new merchandise from dealers inside the pavilion, too! Visit with ARRL representatives at this League-sanctioned event.

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